

Operational Amplifier, Quad, 4 Amplifier, 450 kHz, 0.3 V/ μ s, 3V to 12V, SOIC, 14 Pins

Manufacturers	Analog Devices, Inc
Package/Case	14 ld SOIC
Product Type	Amplifier ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for OP496GSZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The OP196 family of CBCMOS operational amplifiers features micropower operation and rail-to-rail input and output ranges.

The extremely low power requirements and guaranteed operation from +3 V to +12 V make these amplifiers perfectly suited to monitor battery usage and to control battery charging. Their dynamic performance, including 26 nV/(root)Hz voltage noise density, recommends them for battery-powered audio applications. Capacitive loads to 200 pF are handled without oscillation.

The OP196/OP296/OP496 are specified over the HOT extended industrial (-40°C to +125°C) temperature range. +3 V operation is specified over the 0°C to +125°C temperature range. The single OP196 and the dual OP296 are available in 8-pin plastic DIP and SO-8 surface mount packages. The quad OP496 is available in 14-pin plastic DIP and narrow SO-14 surface mount packages. Check factory for availability of the OP296 and OP496 in the TSSOP package.

Features

Rail-to-Rail Input and Output Swing

Low Power: 60 μ A/Amplifier

Gain Bandwidth Product: 450 kHz

Single-Supply Operation: 3 V to 12 V

Low Offset Voltage: 300 μ V max

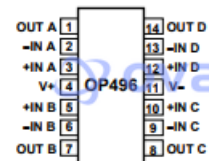
High Open-Loop Gain: 500 V/mV

Unity-Gain Stable

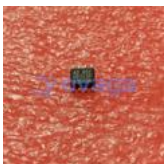
No Phase Reversal



14-Lead Narrow-Body SO

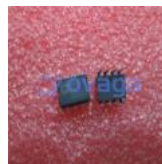


Related Products



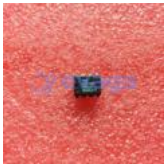
[OP213F](#)

Analog Devices, Inc
SMD/DIP-8/SOP-8



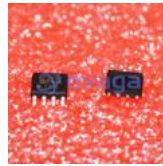
[OP42AZ](#)

Analog Devices, Inc
CDIP-8



[OP27GP](#)

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PDIP-8



[OP37GS](#)

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[OP2177ARM](#)

Analog Devices, Inc
MSOP8



[OP467GPZ](#)

Analog Devices, Inc
PDIP-14



[OP400GPZ](#)

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PDIP-14